UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/536,452	03/28/2000	Ronny Ronen	02207/8754	5160

23838	7590	02/16/2006

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EXAMINER
HUISMAN, DAVID J

ART UNIT	PAPER NUMBER
2183	

DATE MAILED: 02/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Advisory Action *Before the Filing of an Appeal Brief*	09/536,452	RONEN ET AL.
	Examiner	Art Unit	
	David J. Huisman	2183	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED <u>30 January 2006</u> FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

   a) ☒ The period for reply expires <u>3</u> months from the mailing date of the final rejection.

   b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

     Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

<u>NOTICE OF APPEAL</u>

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

<u>AMENDMENTS</u>

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will <u>not</u> be entered because

   (a)☐ They raise new issues that would require further consideration and/or search (see NOTE below);

   (b)☐ They raise the issue of new matter (see NOTE below);

   (c)☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

   (d)☐ They present additional claims without canceling a corresponding number of finally rejected claims.

     NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

   The status of the claim(s) is (or will be) as follows:

   Claim(s) allowed: _____.

   Claim(s) objected to: _____.

   Claim(s) rejected: _____.

   Claim(s) withdrawn from consideration: _____.

<u>AFFIDAVIT OR OTHER EVIDENCE</u>

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will <u>not</u> be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will <u>not</u> be entered because the affidavit or other evidence failed to overcome <u>all</u> rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

<u>REQUEST FOR RECONSIDERATION/OTHER</u>

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: <u>see attached sheet.</u>

12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____
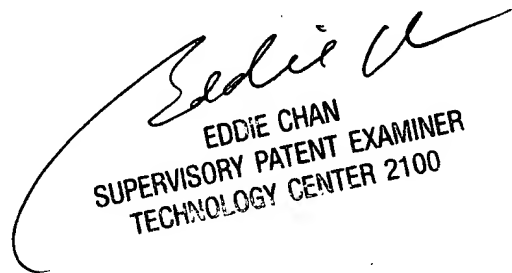
13. ☐ Other: _____.

Applicant argues the rejection of claim 7, on page 9 of the remarks, in substance that:

"Passing through values of VA(63..32) is not sign-extension. Sign extension would entail duplicating the value from VA(31) as VA(63..32), which is not what multiplexer 172 is doing. Specifically, the claim requires sign-extending the truncated, generated address reference. Any sign extension to bits VA(31..0) in Killian was performed prior to "truncation", and thus does not meet the requirement of the claims. Moreover, while the operation in Killian includes truncating in the case of 32-bit user mode (where VA(63..32) are sliced off from VA(31..0), to be replaced with zeros by multiplexer 172), the operation when not in 32-bit user mode arguably does not even include truncation, since VA(63..32) are VA(63..32) after multiplexer 172."

Although this argument has been fully considered by the examiner, it has been deemed non-persuasive for the following reason(s):

As was pointed out in the previous Office Action, addresses are presented to the address translation circuitry in sign-extended form (column 18, lines 13-15). This means that bit 31 of the address has already been duplicated and copied into bits 63:32. Fig.5D then shows that the upper 32 sign bits of the address are separated from the address and sent to the right input of multiplexer 172. This separation is truncation, which basically means to shorten by cutting off (or dropping digits off). The examiner feels that this Killian's separation is clearly truncation, as a 64-bit address goes into the system, and immediately it is shortened to 32 bits. Next, depending on the mode, either the left or right input of the multiplexer will be selected as the output, which is then appended to the front of the 32-bit truncated address, thereby creating an extended truncated address. In a 32-bit user mode, the left input (32 hard-wired 0s) are selected by the multiplexer and zero-extension is performed since the 0s are appended to the address. In a mode other than 32-bit user mode, the right input (the 32 original sign bits) are selected by the multiplexer and sign-extension is performed since the sign bits are appended to the address. It is not clear to the examiner how Killian does not perform truncation.

Finally, it should be noted that claim 18 includes a minor error. Applicant should correct the phrase "an the application" in line 1.

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